

Figure 1



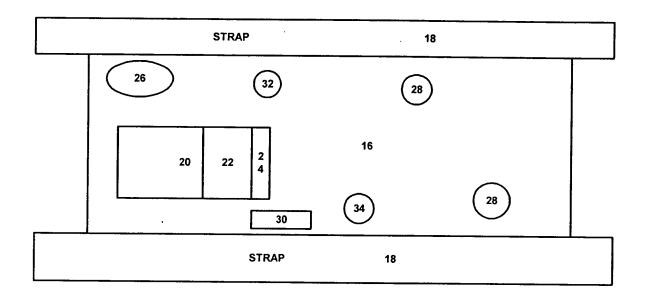


FIGURE 2

SHEET 3 OF 31

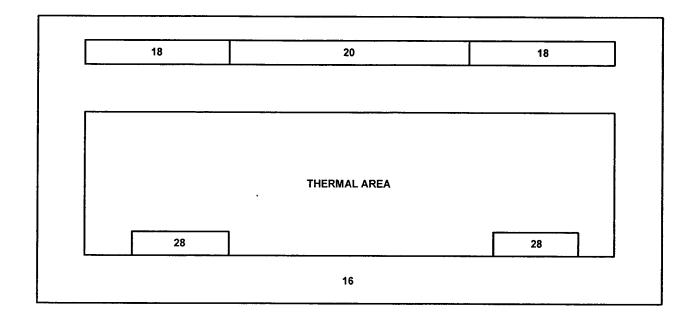


FIGURE 3

SHEET 4 OF 31

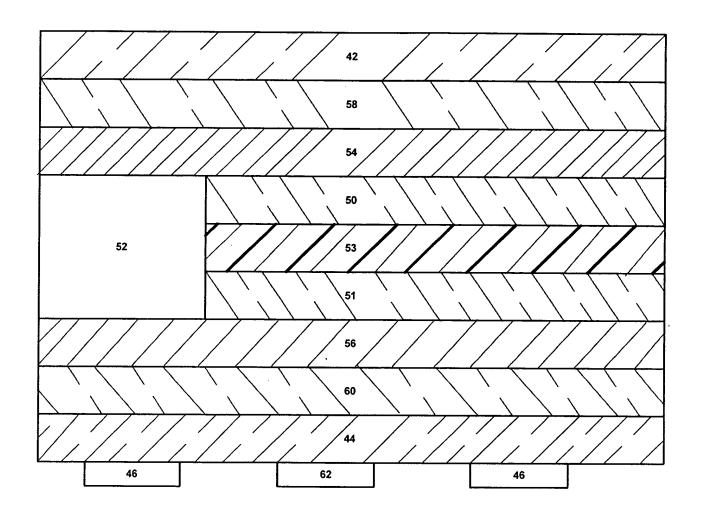


FIGURE 4A



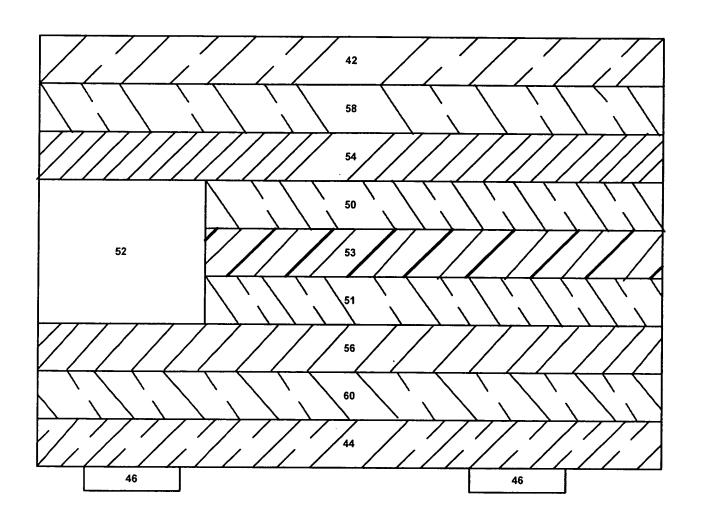


FIGURE 4B



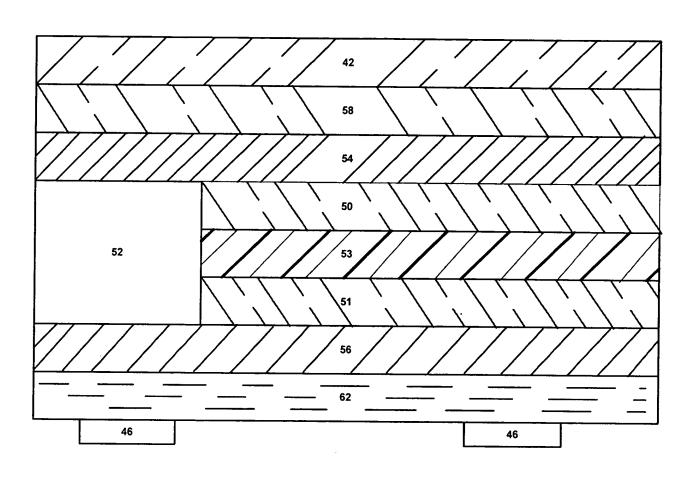


FIGURE 4C





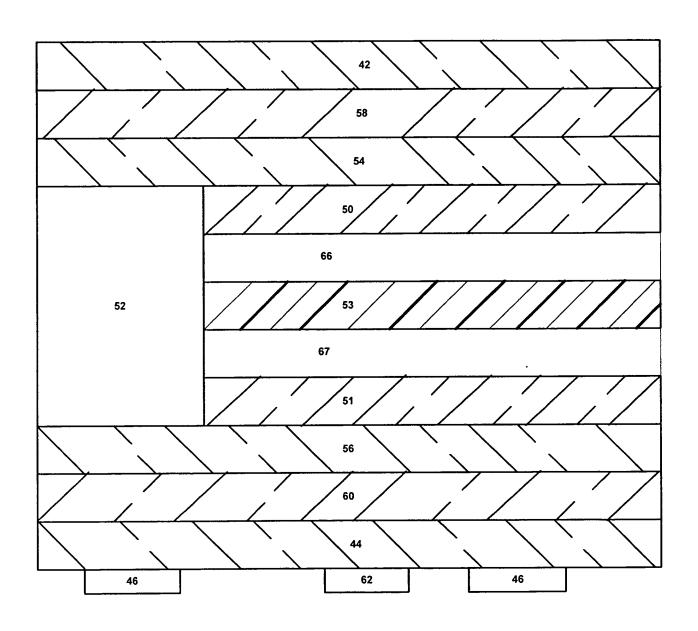


FIGURE 4D



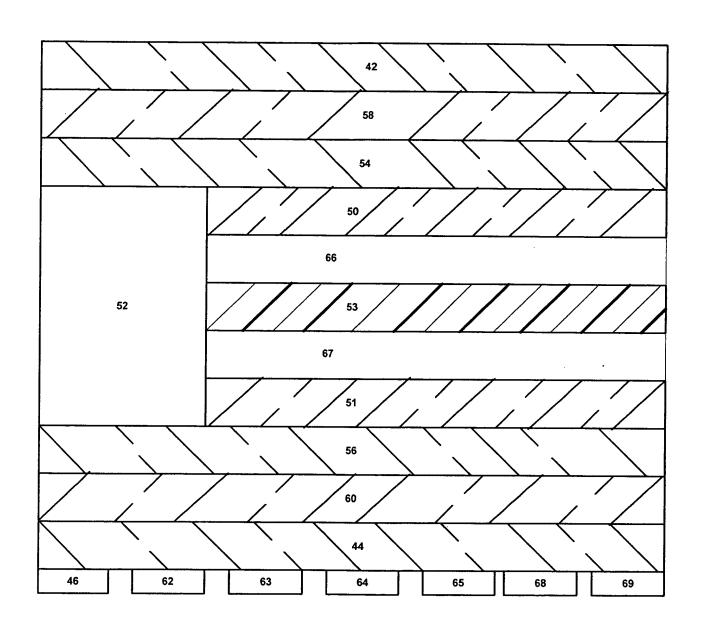


FIGURE 4E



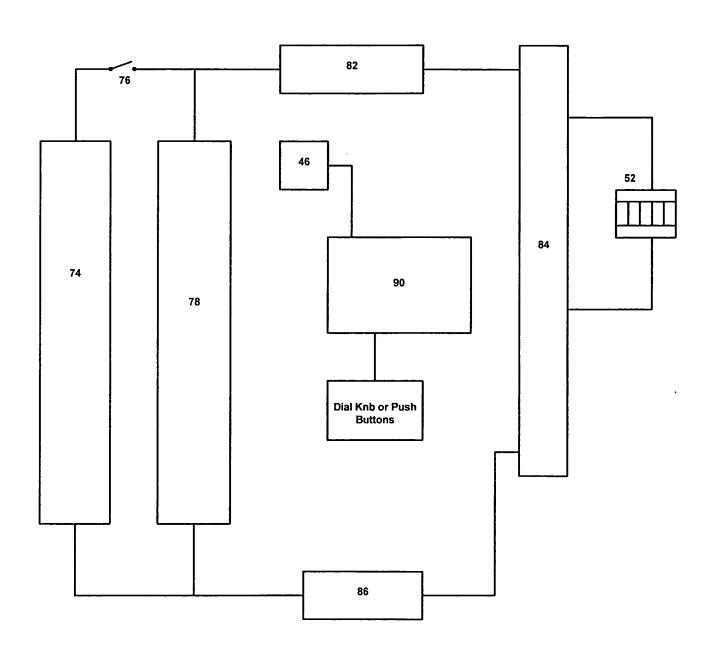


FIGURE 5



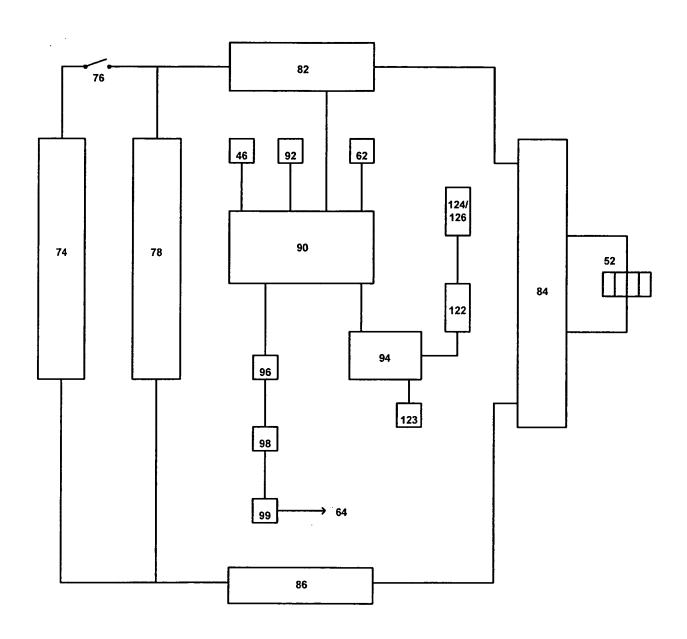


FIGURE 6



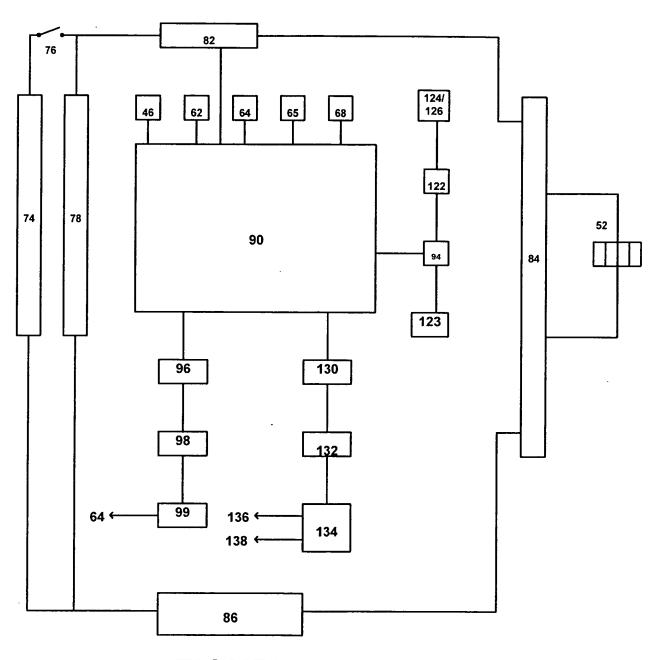


FIGURE 7



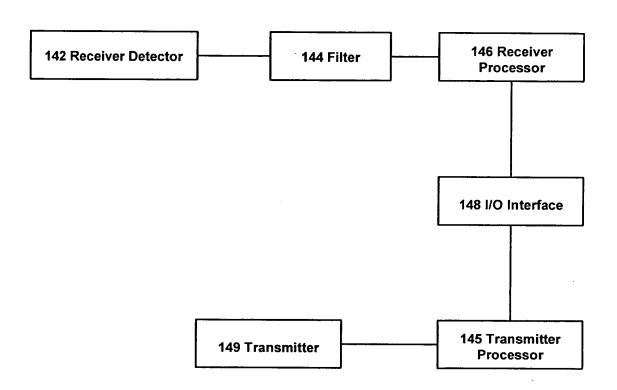


FIGURE 8

SHEET 13 OF 31

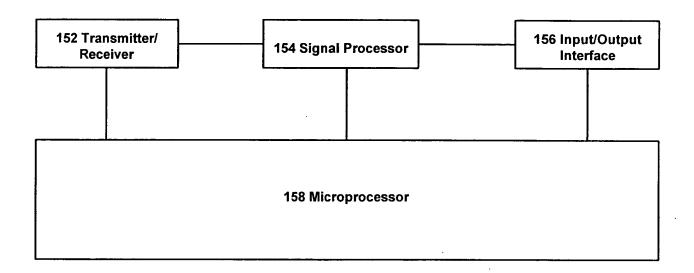


FIGURE 9

SHEET 14 OF 31

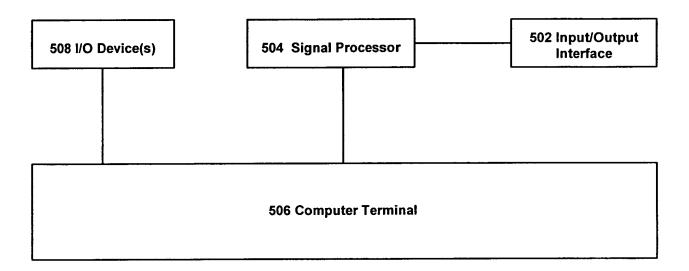


FIGURE 10

SHEET 15 OF 31

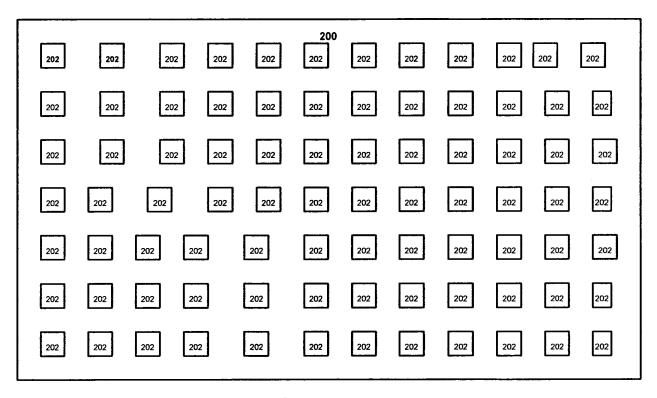


FIGURE 11

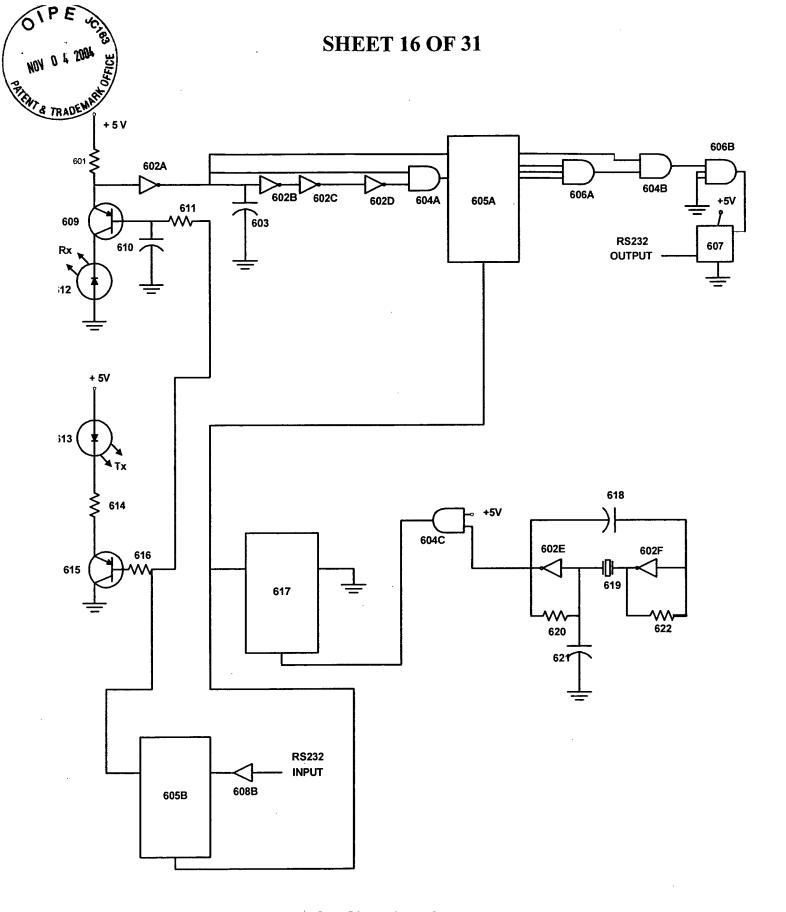


FIGURE 12



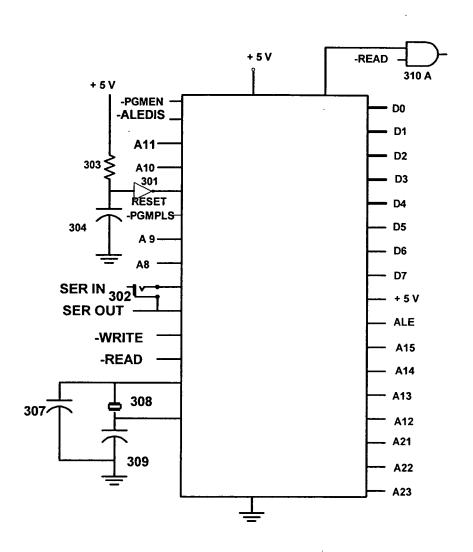


FIGURE 13

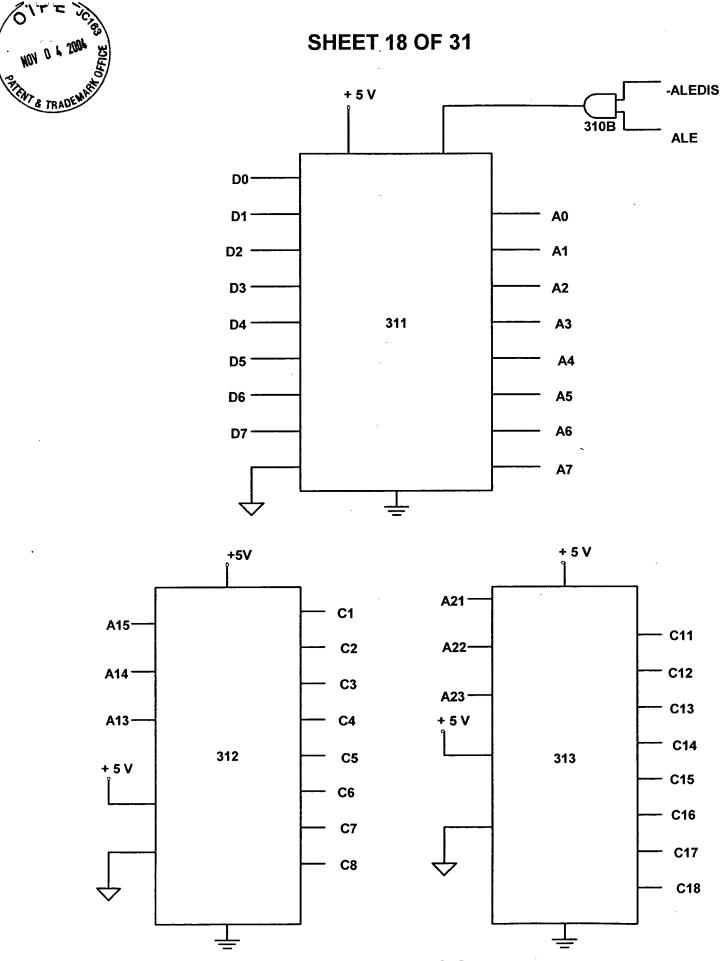
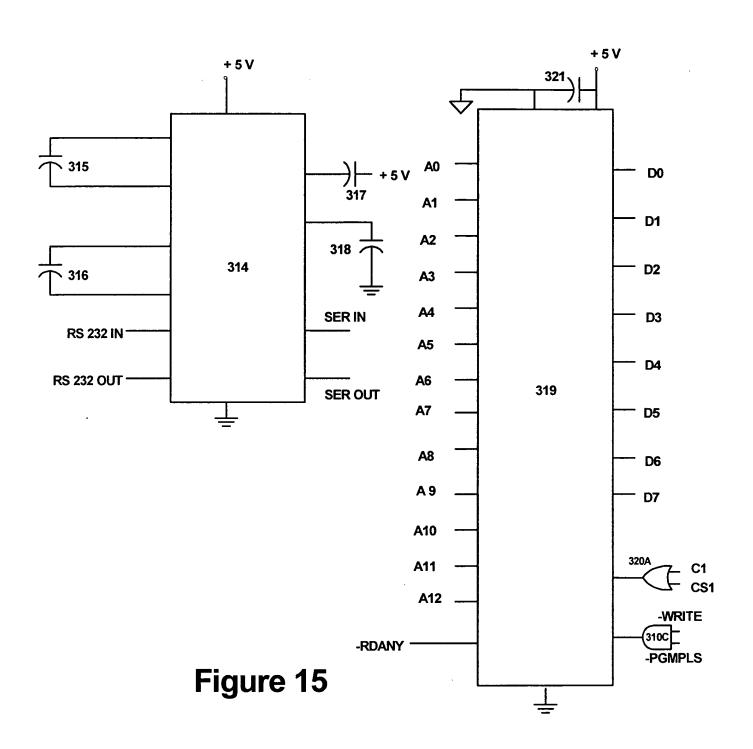


FIGURE 14





SHEET 20 OF 31 + 5 V + 5 V DSP1 CS 1 - D0 A12 DSP2 CS 2 -- D1 A11 DSP3 CS 3 -DSP4 - D2 CS 4 -A10 321 323 DSP5 + 5 V CS 5 -- D3 DSP6 CS 6 -- D4 DSP7 CS 7 -C3 DSP8 D5 CS 8 --READ D6 -WRITE CS2 - D7 + 5 V A9 CS 11 **A8 CS 12 A7 CS 13** + 5 V **CS 14** 322 **CS 15 CS 16** C2 -CS 17 CS 18

FIGURE 16

PE CIES

SHEET 21 OF 31

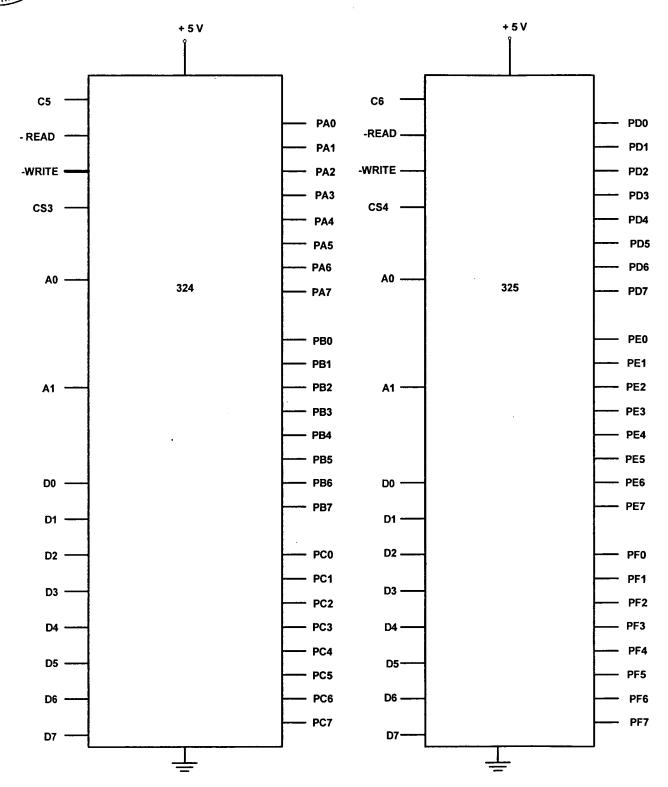


Figure 17

SHEET 22 OF 31

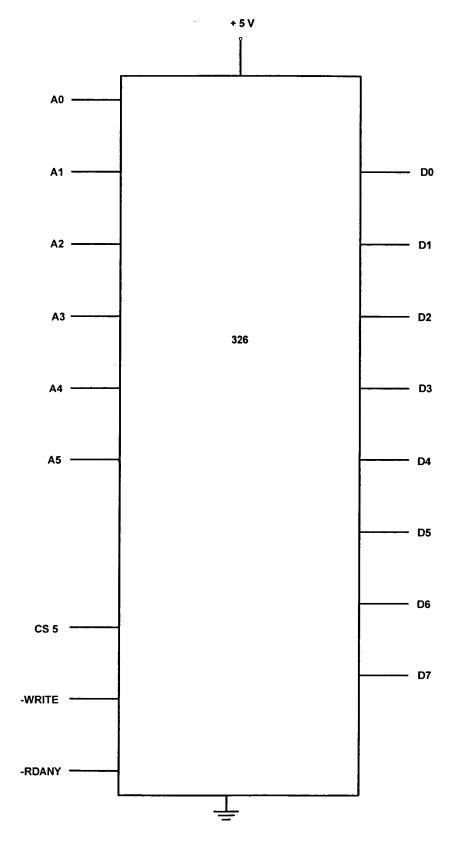


Figure 18

WOV O L 2004 WE

SHEET 23 OF 31

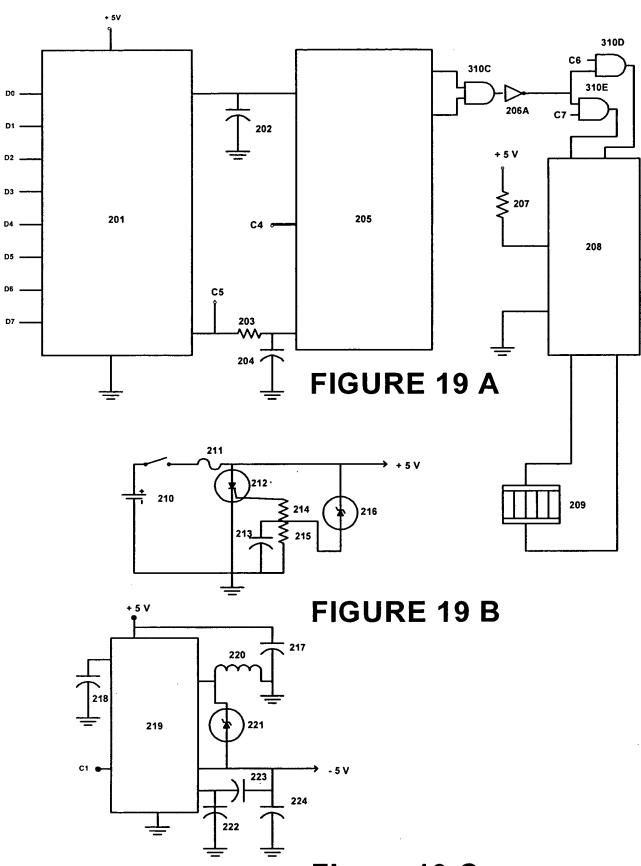


Figure 19 C

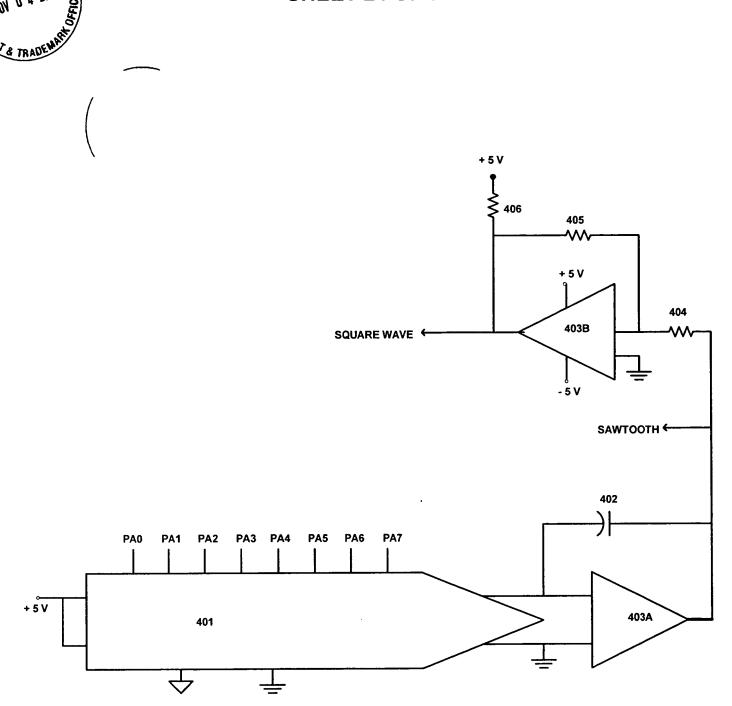


Figure 20

SHEET 25 OF 31 + 5 V 407 408 **∮** 409 + 5 V 418A 416A - SP1 SAWTOOTH 419A - C7 410A 418B 416B 419C C8 **CS 7** 419D **SQUARE WAVE** GEN SAWTOOTH 416C CS 6 419B 411 417A 412 SQ WAVE -414 417B CS 8 -CS7 420A C8 C8 + 5 V PB0 SP1 PB1 PB2 421 PB3 PB4 C11 PB5 PB6 - PB7 FIGURE 21



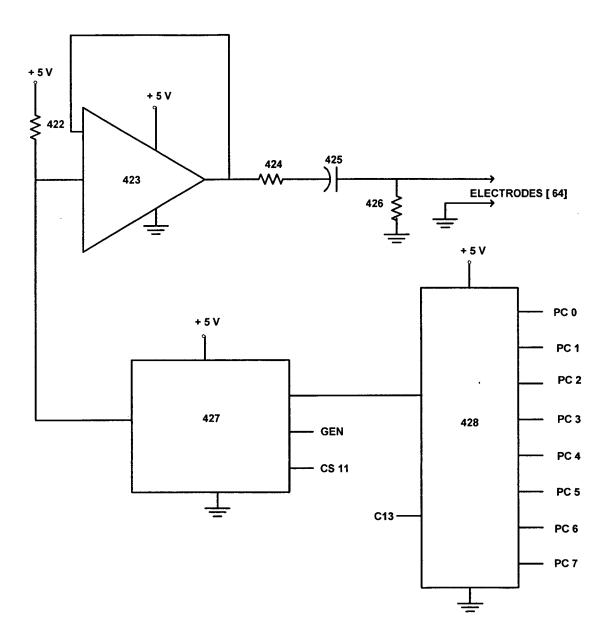


FIGURE 22



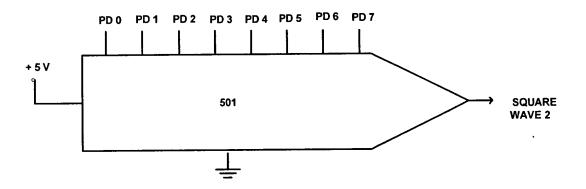


FIGURE 23



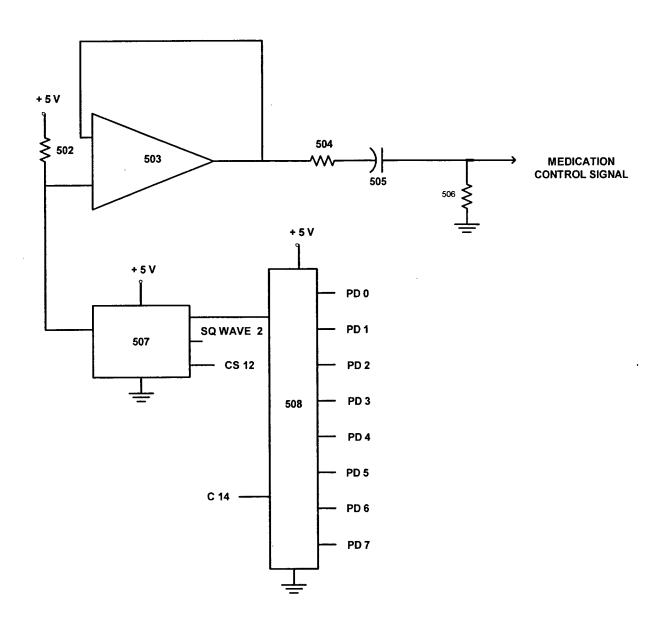


FIGURE 24

NOV 8 1 2004 E

SHEET 29 OF 31

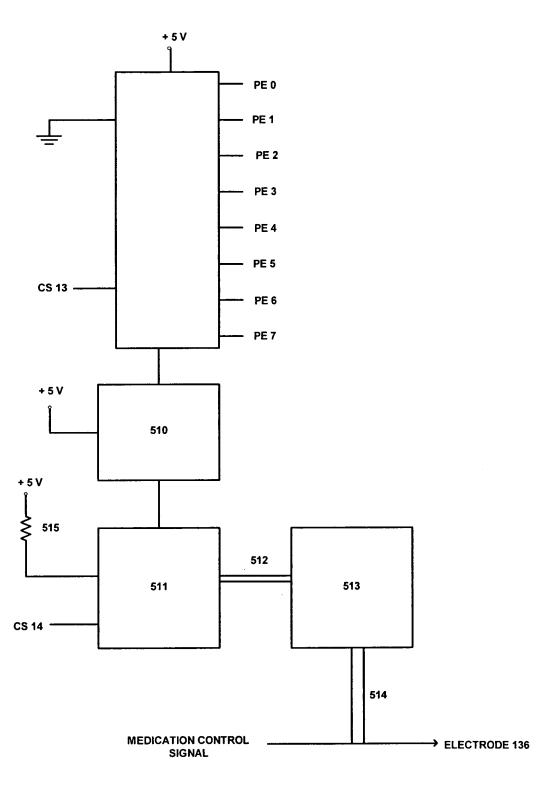




FIGURE 25



SHEET 30 OF 31

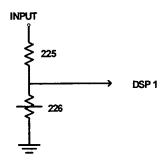


FIGURE 26 A

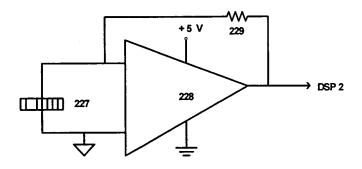


FIGURE 26 B

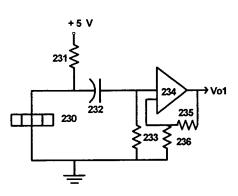
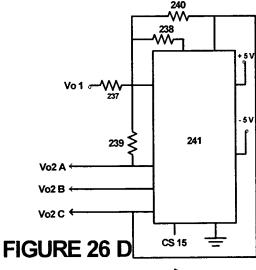


FIGURE 26 C



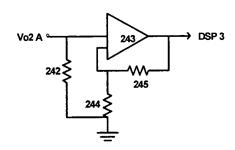


FIGURE 26 E

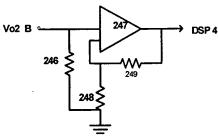


FIGURE 26 F

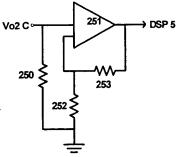


FIGURE 26 G

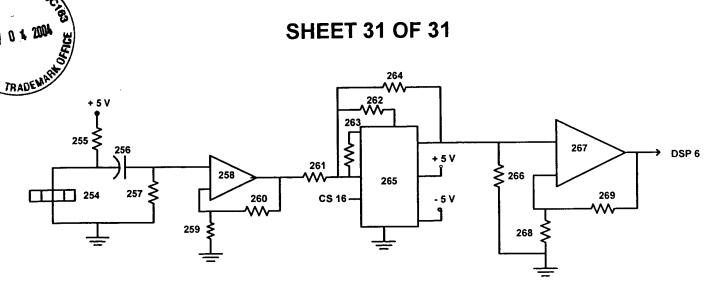


FIGURE 27 A

